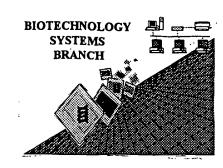
مرين مرين

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.1 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE: SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility-that-the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
- 3. Hand Carry directly to:
 - U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
 - U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
- Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202



OIPE

```
RAW SEQUENCE LISTING
                                                               DATE: 01/18/2002
                      PATENT APPLICATION: US/10/033,399
                                                               TIME: 08:04:15
                      Input Set : A:\13403.0005NPUS00.ST25.txt
                      Output Set: N:\CRF3\01182002\J033399.raw
      3 <110> APPLICANT: Wang, Caili
              Zhong, Pingyu
              Wang, Xinwei
      7 <120> TITLE OF INVENTION: ADAPTER-DIRECTED DISPLAY SYSTEMS
      9 <130> FILE REFERENCE: 13403.0005NPUS00
     11 <140> CURRENT APPLICATION NUMBER: US/10/033,399
                                                                           Does Not Comply
     11 <141> CURRENT FILING DATE: 2001-11-02
                                                                      Corrected Diskette Needed
     11 <160> NUMBER OF SEQ ID NOS: 24
     13 <170> SOFTWARE: PatentIn version 3.1
     15 <210> SEQ ID NO: 1
     16 <211> LENGTH: 57
     17 <212> TYPE: DNA
     18 <213> ORGANISM: Bacteriophage M13
     20 <400> SEQUENCE: 1
     21 gtgaaaaaat tattattcgc aattccttta gttgttcctt tctattctca ctccgct
     24 <210> SEQ ID NO: 2
     25 <211> LENGTH: 19
     26 <212> TYPE: PRT
     27 <213> ORGANISM: Bacteriophage M13
     29 <400> SEQUENCE: 2
     31 Val Lys Lys Leu Leu Phe Ala Ile Pro Leu Val Val Pro Phe Tyr Ser
                                             10
     35 His Ser Ala
     39 <210> SEQ ID NO: 3
     40 <211> LENGTH: 57
     41 <212> TYPE: DNA
     42 <213> ORGANISM: Bacteriophage M13
     44 <400> SEQUENCE: 3
     45 gtgaaaaat tattattcgc aattccttta gtggtacctt tctattctca ctccgct
     48 <210> SEQ ID NO: 4
     49 <211> LENGTH: 222
     50 <212> TYPE: DNA
     51 <213> ORGANISM: Artificial Sequence
     53 <220> FEATURE:
     54 <223> OTHER INFORMATION: Synthetic, comprising phage gene III leader sequence, GABAB
recep
     55
              tor 2 domain and Myc domain
     57 <400> SEQUENCE: 4
    58 ttagtggtac ctttctattc tcactccgct acatcccgcc tggagggcct acagtcagaa
                                                                               60
    60 aaccategee tgegaatgaa gateacagag etggataaag aettggaaga ggteaccatg
                                                                              120
    62 cagetgeagg acgteggagg ttgegeggee geagaacaaa aacteatete agaagaggat
                                                                              180
    64 ctgagatctg gaggcggtac tgttgaaagt tgtttagcaa aa
                                                                              222
    67 <210> SEQ ID NO: 5
    68 <211> LENGTH: 74
```

DATE: 01/18/2002

PATENT APPLICATION: US/10/033,399 TIME: 08:04:15 Input Set : A:\13403.0005NPUS00.ST25.txt Output Set: N:\CRF3\01182002\J033399.raw 69 <212> TYPE: PRT 70 <213> ORGANISM: Artificial Sequence 72 <220> FEATURE: 73 <223> OTHER INFORMATION: Synthetic, comprising phage gene III leader sequence, GABAB recep 74 tor 2 domain and Myc domain 76 <400> SEQUENCE: 5 78 Leu Val Val Pro Phe Tyr Ser His Ser Ala Thr Ser Arg Leu Glu Gly 5 82 Leu Gln Ser Glu Asn His Arg Leu Arg Met Lys Ile Thr Glu Leu Asp 20 25 86 Lys Asp Leu Glu Glu Val Thr Met Gln Leu Gln Asp Val Gly Gly Cys 87 90 Ala Ala Ala Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Arg Ser Gly 91 55 94 Gly Gly Thr Val Glu Ser Cys Leu Ala Lys 95 65 98 <210> SEQ ID NO: 6 99 <211> LENGTH: 56 100 <212> TYPE: PRT 101 <213> ORGANISM: Artificial Sequence 103 <220> FEATURE: 104 <223> OTHER INFORMATION: Synthetic, comprising phage gene III leader sequence, GABAB recep 105 tor 2 domain and Myc domain 107 <400> SEQUENCE: 6 109 Thr Ser Arg Leu Glu Gly Leu Gln Ser Glu Asn His Arg Leu Arg Met 110 1 113 Lys Ile Thr Glu Leu Asp Lys Asp Leu Glu Glu Val Thr Met Gln Leu 114 20 25 117 Gln Asp Val Gly Gly Cys Ala Ala Glu Gln Lys Leu Ile Ser Glu 118 121 Glu Asp Leu Arg Ser Gly Gly Gly 122 50 125 <210> SEQ ID NO: 7 126 <211> LENGTH: 3093 127 <212> TYPE: DNA 128 <213> ORGANISM: Artificial Sequence 130 <220> FEATURE: 131 <223> OTHER INFORMATION: Synthetic, comprising ampicillin gene sequence, ColE1 replication 132 origin, fl replication origin, Plac promoter, GABAB receptor 1 d 133 omain, histidine tag 135 <400> SEQUENCE: 7 136 gcgcaacgca attaatgtga gttagctcac tcattaggca ccccaggctt tacactttat 60 138 gcttccggct cgtatgttgt gtggaattgt gagcggataa caatttaccg gttctttaag 120 140 gaggaattaa aaaatgaaat acctattgcc tacggcagcc gctggattgt tattactcgc 180 142 ggcccagccg gccatggcgg ccctgcaggc ctctagagcg gccgctggag gtqagqagaa 240 144 gtcccggctg ttggagaagg agaaccgtga actggaaaag atcattgctg agaaagagga 300 146 gcgtgtctct gaactgcgcc atcaactcca gtctgtagga ggttgtagat cttatccata 360 148 cgacgtacca gactacgcag gaggtcatca ccatcatcac cattaatgag tcgacctcga 420 150 ccaattcgcc ctatagtgag tcgtattaca attcactggc cgtcgtttta caacgtcgtg 480

RAW SEQUENCE LISTING

RAW SEQUENCE LISTING DATE: 01/18/2002 PATENT APPLICATION: US/10/033,399 TIME: 08:04:15

Input Set : A:\13403.0005NPUS00.ST25.txt
Output Set: N:\CRF3\01182002\J033399.raw

	actgggaaaa						540
	gctggcgtaa						600
	atggcgaatg						660
	gcagcgtgac						720
	cctttctcgc						780
	ggttccgatt						840
	cacgtagtgg						900
	tctttaatag						960
	cttttgattt						1020
	aacaaaaatt			_	_		1080
	tcggggaaat						1140
	tccgctcatg						1200
	gagtattcaa		-			-	1260
	ttttgctcac						1320
	agtgggttac						1380
	agaacgtttt						1440
	tattgacgcc						1500
	tgagtactca						1560
	cagtgctgcc						1620
	aggaccgaag						1680
	tcgttgggaa						1740
	tgtagcaatg						1800
	ccggcaacaa						1860
	ggcccttccg						1920
	cggtatcatt						1980
	gacggggagt						2040
	actgattaag						2100
	aaaacttcat						2160
	caaaatccct		-			-	2220
	aggatcttct						2280
	accgctacca						2340
	aactggcttc		_	-			2400
	ccaccacttc						2460
	agtggctgct						2520
	accggataag						2580
	gcgaacgacc						2640
224	tcccgaaggg	agaaaggcgg	acaggtatcc	ggtaagcggc	agggtcggaa	caggagagcg	2700
	cacgagggag						2760
	cctctgactt						2820
230	cgccagcaac	gcggcctttt	tacggttcct	ggccttttgc	tggccttttg	ctcacatgtt	2880
	ctttcctgcg						2940
234	taccgctcgc	cgcagccgaa	cgaccgagcg	cagcgagtca	gtgagcgagg	aagcggaaga	3000
	gcgcccaata				attcattaat	gcagctggca	3060
238	cgacaggttt	cccgactgga	aagcgggcag	tga			3093
241	<210> SEQ I	D NO: 8					

- 241 <210> SEQ ID NO: 8 242 <211> LENGTH: 192
- 243 <212> TYPE: DNA
- 244 <213> ORGANISM: Bacteriophage M13
- 246 <400> SEQUENCE: 8

DATE: 01/18/2002

TIME: 08:04:15

Input Set : A:\13403.0005NPUS00.ST25.txt Output Set: N:\CRF3\01182002\J033399.raw 247 ttagtggtac ctttctattc tcactccgct taggcttgcg gtggtgcggc cgcagaacaa 60 249 aaactcatct cagaagagga totgagatct agatctggag goggtactgt tgaaagttgt 120 251 ttagcaaaac ctcatacaga aaattcattt actaacgtct ggaaagacga caaaacttta 180 253 gatcgttacg ct 192 256 <210> SEQ ID NO: 9 257 <211> LENGTH: 64 258 <212> TYPE: PRT 259 <213> ORGANISM: Bacteriophage M13 261 <220> FEATURE: Xaa Can only represent a sergle

aniro acid;

Ala Cys Gly Gly Ala

15

Leu Arg Ser Arg Ser

30

Pro His Thr Glu Asn

45

Ala Cys Gly Gly Ala

25

Aniro acid;

Ala Cys Gly Gly Ala

30

Ala Cys Gly Gly Ala

45 262 <221> NAME/KEY: MISC_FEATURE 263 <222> LOCATION: (11)..(11) 264 <223> OTHER INFORMATION: Xaa ≠ 267 <400> SEQUENCE: 9 W--> 269 Leu Val Val Pro Phe Tyr Ser His Ser Ala(Xaa/Ala Cys Gly Gly Ala 270 1 273 Ala Ala Glu Gln Lys Leu Ile Ser Glu Glu Asp Leu Arg Ser Arg Ser 274 277 Gly Gly Gly Thr Val Glu Ser Cys Leu Ala Lys Pro His Thr Glu Asn 278 35 40 281 Ser Phe Thr Asn Val Trp Lys Asp Asp Lys Thr Leu Asp Arg Tyr Ala 282 285 <210> SEQ ID NO: 10 286 <211> LENGTH: 2962 287 <212> TYPE: DNA 288 <213> ORGANISM: Artificial Sequence 290 <220> FEATURE: 291 <223> OTHER INFORMATION: Synthetic, comprising ampicillin gene sequence, ColE1 replication 292 origin, fl replication origin, Plac promoter, influenza virus he magglutinin tag 295 <400> SEQUENCE: 10 296 gcgcaacgca attaatgtga gttagctcac tcattaggca ccccaggctt tacactttat 60 298 gcttccggct cgtatgttgt gtggaattgt gagcggataa caatttaccg gttcttttaa 120 300 ctttagtaag gaggaattaa aaaatgaaat acctattgcc tacggcagcc gctggattgt 180 302 tattactcgc ggcccagccg gccatggcgg ccctgcaggc ctctagagcg gccgcttacc 240 304 cgtacgacgt tccggactac gcaggtggct gctgataagt cgacctcgac caattcgccc 300 306 tatagtgagt cgtattacaa ttcactggcc gtcgttttac aacgtcgtga ctgggaaaac 360 308 cctggcgtta cccaacttaa tcgccttgca gcacatcccc ctttcgccag ctggcgtaat 420 310 agcgaagagg cccgcaccga tcgcccttcc caacagttgc gcagcctgaa tggcgaatgg 480 312 gacgcgccct gtagcggcgc attaagcgcg gcgggtgtgg tggttacgcg cagcgtgacc 540 314 gctacacttg ccagcgccct agcgcccgct cctttcgctt tcttcccttc ctttctcgcc 600 316 acgttcgccg gctttccccg tcaagctcta aatcgggggc tccctttagg gttccgattt 660 318 agtgctttac ggcacctcga ccccaaaaaa cttgattagg gtgatggttc acgtagtggg 720 320 ccatcgccct gatagacggt ttttcgccct ttgacgttgg agtccacgtt ctttaatagt 780 322 ggactcttgt tccaaactgg aacaacactc aaccctatct cggtctattc ttttgattta 840 324 taagggattt tgccgatttc ggcctattgg ttaaaaaatg agctgattta acaaaaattt 900 326 aacgcgaatt ttaacaaaat attaacgctt acaatttagg tggcactttt cggggaaatg 960

328 tgcgcggaac ccctatttgt ttatttttct aaatacattc aaatatgtat ccgctcatga

330 gacaataacc ctgataaatg cttcaataat attgaaaaag gaagagtatg agtattcaac

332 atttccgtgt cgcccttatt cccttttttg cggcattttg ccttcctgtt tttgctcacc

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/033,399

1020

1080

1140

RAW SEQUENCE LISTING DATE: 01/18/2002 PATENT APPLICATION: US/10/033,399 TIME: 08:04:15

Input Set : A:\13403.0005NPUS00.ST25.txt
Output Set: N:\CRF3\01182002\J033399.raw

334	cagaaacgct	ggtgaaagta	aaagatgctg	aagatcagtt	gggtgcacga	gtgggttaca	1200
336	tcgaactgga	tctcaacagc	ggtaagatcc	ttgagagttt	tcgccccgaa	gaacgttttc	1260
338	caatgatgag	cacttttaaa	gttctgctat	gtggcgcggt	attatcccgt	attgacgccg	1320
340	ggcaagagca	actcggtcgc	cgcatacact	attctcagaa	tgacttggtt	gagtactcac	1380
342	cagtcacaga	aaagcatctt	acggatggca	tgacagtaag	agaattatgc	agtgctgcca	1440
344	taaccatgag	tgataacact	gcggccaact	tacttctgac	aacgatcgga	ggaccgaagg	1500
346	agctaaccgc	ttttttgcac	aacatggggg	atcatgtaac	tcgccttgat	cgttgggaac	1560
348	cggagctgaa	tgaagccata	ccaaacgacg	agcgtgacac	cacgatgcct	gtagcaatgg	1620
350	caacaacgtt	gcgcaaacta	ttaactggcg	aactacttac	tctagcttcc	cggcaacaat	1680
352	taatagactg	gatggaggcg	gataaagttg	caggaccact	tctgcgctcg	gcccttccgg	1740
354	ctggctggtt	tattgctgat	aaatctggag	ccggtgagcg	tgggtctcgc	ggtatcattg	1800
356	cagcactggg	gccagatggt	aagccctccc	gtatcgtagt	tatctacacg	acggggagtc	1860
358	aggcaactat	ggatgaacga	aatagacaga	tcgctgagat	aggtgcctca	ctgattaagc	1920
360	attggtaact	gtcagaccaa	gtttactcat	atatacttta	gattgattta	aaacttcatt	1980
362	tttaatttaa	aaggatctag	gtgaagatcc	tttttgataa	tctcatgacc	aaaatccctt	2040
364	aacgtgagtt	ttcgttccac	tgagcgtcag	accccgtaga	aaagatcaaa	ggatcttctt	2100
366	gagatccttt	ttttctgcgc	gtaatctgct	gcttgcaaac	aaaaaacca	ccgctaccag	2160
368	cggtggtttg	tttgccggat	caagagctac	caactctttt	tccgaaggta	actggcttca	2220
370	gcagagcgca	gataccaaat	actgtccttc	tagtgtagcc	gtagttaggc	caccacttca	2280
372	agaactctgt	agcaccgcct	acatacctcg	ctctgctaat	cctgttacca	gtggctgctg	2340
374	ccagtggcga	taagtcgtgt	cttaccgggt	tggactcaag	acgatagtta	ccggataagg	2400
376	cgcagcggtc	gggctgaacg	gggggttcgt	gcacacagcc	cagcttggag	cgaacgacct	2460
378	acaccgaact	gagataccta	cagcgtgagc	tatgagaaag	cgccacgctt	cccgaaggga	2520
380	gaaaggcgga	caggtatccg	gtaagcggca	gggtcggaac	aggagagcgc	acgagggagc	2580
382	ttccaggggg	aaacgcctgg	tatctttata	gtcctgtcgg	gtttcgccac	ctctgacttg	2640
384	agcgtcgatt	tttgtgatgc	tcgtcagggg	ggcggagcct	atggaaaaac	gccagcaacg	2700
386	cggccttttt	acggttcctg	gccttttgct	ggccttttgc	tcacatgttc	tttcctgcgt	2760
388	tatcccctga	ttctgtggat	aaccgtatta	ccgcctttga	gtgagctgat	accgctcgcc	2820
390	gcagccgaac	gaccgagcgc	agcgagtcag	tgagcgagga	agcggaagag	cgcccaatac	2880
392	gcaaaccgcc	tctccccgcg	cgttggccga	ttcattaatg	cagctggcac	gacaggtttc	2940
	ccgactggaa		ga .				2962
	<210> SEQ 1						
	<211> LENGT						
	<212> TYPE:						
	<213> ORGAN		riophage M13	3			
	<400> SEQUE						
403	ttagtggtac	ctttctattc	tcactccgct	acatcccgcc	tggagggcct	acagtcagaa	60
405	aaccatcgcc	tgcgaatgaa	gatcacagag	ctggataaag	acttggaaga	ggtcaccatg	120
40/	cagctgcagg	acgtcggagg	ttgcgcggcc	gcagaacaaa	aactgatctc	agaagaggat	180
409	ctgacgcgtg	ctggcggcgg	ctctggtggt	ggttctggtg	gcggctctga	gggtggcggc	240
411	tctgagggtg	gcggttctga	gggtggcggc	tctgagggtg	gcggttccgg	tggcggctcc	300
413	ggttccggtg	attttgatta	tgaaaaaatg	gcaaacgcta	ataagggggc	tatgaccgaa	360
415	aatgccgatg	aaaacgcgct	acagtctgac	gctaaaggca	aacttgattc	tgtcgctact	420
41/	gattacggtg	ctgctatcga	tggtttcatt	ggtgacgttt	ccggccttgc	taatggtaat	480
419	ggtgctactg	grgattttgc	tggctctaat	tcccaaatgg	ctcaagtcgg	tgacggtgat	540
421	aattcacctt	taatgaataa	tttccgtcaa	tatttacctt	ccctccctca	atcggttgaa	600
423	tgtcgccctt	ttgtctttgg	cgctggtaaa	ccatatgaat	tttctattga	ttgtgacaaa	660
423	ataaacttat	tccgtggtgt	ctttgcgttt	cttttatatg	ttgccacctt	tatgtatgta	720
42/	ttttctacgt	ttgctaacat	actgcgtaat	aaggagtctt	aataaggcgc	gccacaattt	780

622 -1

Use 6° n energy has been detected in the Sequence Listing. Reciew the sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 01/18/2002

PATENT APPLICATION: US/10/033,399

TIME: 08:04:16

Input Set : A:\13403.0005NPUS00.ST25.txt Output Set: N:\CRF3\01182002\J033399.raw

 $L:11\ M:270\ C:$ Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:269 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 L:561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14